

IN THE ABSTRACT

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ABSTRACT

A blockless reamer drilling tool comprising an elongated tool body and a reamer unit. The reamer unit includes a shaft having a first end and a second end and a cutter mounted on the shaft between the first and second ends. A pocket on the exterior surface of the tool body is sized to accept the reamer unit with a portion of the reamer unit recessed in the pocket. A plurality of pins engage the tool body and secure the reamer unit within the pocket. The plurality of pins includes a first pin engaging the tool body and passing through the shaft at the first end and a second pin engaging the tool body and passing through the shaft at the second end.